



39750-0008C1 Saved August 10, 2006.txt

SEQUENCE LISTING

HANSSEN, Stig
WIESMANN, Christian

<120> Compounds that Modulate the Activity of
PTP-1B and TC-PTP

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<140> 10/788,564

<141> 2004-02-27

<150> US 60/361,475

<151> 2002-03-01

<150> US 10/374,539

<151> 2003-02-25

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<213> Homo sapiens

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20 25 30
Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
35 40 45
Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
50 55 60
Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
65 70 75 80
Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp
85 90 95
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
100 105 110
Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
115 120 125
Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
130 135 140
Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
145 150 155 160
Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr
165 170 175
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu
180 185 190
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His
195 200 205
Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr
210 215 220
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp
225 230 235 240
Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe
245 250 255
Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu

260 265 270
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 Asp Gln Trp Lys Glu Leu Ser His Glu Asp
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 Pro His Arg Val Ala Lys Phe Pro Glu Asn Arg Asn Arg Asn Arg Tyr
 35 40 45
 Arg Asp Val Ser Pro Tyr Asp His Ser Arg Val Lys Leu Gln Asn Ala
 50 55 60
 Glu Asn Asp Tyr Ile Asn Ala Ser Leu Val Asp Ile Glu Glu Ala Gln
 65 70 75 80
 Arg Ser Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Cys His
 85 90 95
 Phe Trp Leu Met Val Trp Gln Gln Lys Thr Lys Ala Val Val Met Leu
 100 105 110
 Asn Arg Ile Val Glu Lys Glu Ser Val Lys Cys Ala Gln Tyr Trp Pro
 115 120 125
 Thr Asp Asp Gln Glu Met Leu Phe Lys Glu Thr Gly Phe Ser Val Lys
 130 135 140
 Leu Leu Ser Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Leu Gln
 145 150 155 160
 Leu Glu Asn Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His
 165 170 175
 Tyr Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe
 180 185 190
 Leu Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp
 195 200 205
 His Gly Pro Ala Val Ile His Cys Ser Ala Gly Ile Gly Arg Ser Gly
 210 215 220
 Thr Phe Ser Leu Val Asp Thr Cys Leu Val Leu Met Glu Lys Gly Asp
 225 230 235 240
 Asp Ile Asn Ile Lys Gln Val Leu Leu Asn Met Arg Lys Tyr Arg Met
 245 250 255
 Gly Leu Ile Gln Thr Pro Asp Gln Leu Arg Phe Ser Tyr Met Ala Ile
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 Trp Lys Glu Leu Ser Lys Glu Asp
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Ile	Asp	Gly	Val	Pro	Gly	Ser	Asp	Tyr	Ile	Asn	Ala	Asn	Tyr	Ile	Asp
	65				70					75				80	
Gly	Tyr	Arg	Lys	Gln	Asn	Ala	Tyr	Ile	Ala	Thr	Gln	Gly	Pro	Leu	Pro
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Glu	Thr	Met	Gly	Asp	Phe	Trp	Arg	Met	Val	Trp	Glu	Gln	Arg	Thr	Ala
		100						105					110		
Thr	Val	Val	Met	Met	Thr	Arg	Leu	Glu	Glu	Lys	Ser	Arg	Val	Lys	Cys
	115						120					125			
Asp	Gln	Tyr	Trp	Pro	Ala	Arg	Gly	Thr	Glu	Thr	Cys	Gly	Leu	Ile	Gln
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Val	Thr	Leu	Leu	Asp	Thr	Val	Glu	Leu	Ala	Thr	Tyr	Thr	Val	Arg	Thr
	145				150					155					160
Phe	Ala	Leu	His	Lys	Ser	Gly	Ser	Ser	Glu	Lys	Arg	Glu	Leu	Arg	Gln
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Phe	Gln	Phe	Met	Ala	Trp	Pro	Asp	His	Gly	Val	Pro	Glu	Tyr	Pro	Thr
		180						185					190		
Pro	Ile	Leu	Ala	Phe	Leu	Arg	Arg	Val	Lys	Ala	Cys	Asn	Pro	Leu	Asp
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Ala	Gly	Pro	Met	Val	Val	His	Cys	Ser	Ala	Gly	Val	Gly	Arg	Thr	Gly
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Cys	Phe	Ile	Val	Ile	Asp	Ala	Met	Leu	Glu	Arg	Met	Lys	His	Glu	Lys
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Thr	Val	Asp	Ile	Tyr	Gly	His	Val	Thr	Cys	Met	Arg	Ser	Gln	Arg	Asn
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Tyr	Met	Val	Gln	Thr	Glu	Asp	Gln	Tyr	Val	Phe	Ile	His	Glu	Ala	Leu
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Leu	Glu	Ala	Ala	Thr	Cys	Gly	His	Thr	Glu	Val	Pro	Ala	Arg	Asn	Leu
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<212> PRT

<213> Homo sapiens

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Val	Ser	Pro	Phe	Asp	His	Ser	Arg	Ile	Lys	Leu	His	Gln	Glu	Asp	Asn
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Asp	Tyr	Ile	Asn	Ala	Ser	Leu	Ile	Lys	Met	Glu	Glu	Ala	Gln	Arg	Ser
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Glu	Asn	Leu	Thr	Thr	Gln	Glu	Thr	Arg	Glu	Ile	Leu	His	Phe	His	Tyr

Thr	Thr	Trp	Pro	Asp	Phe	Gly	Val	Pro	Glu	Ser	Pro	Ala	Ser	Phe	Leu
Asn	Phe	Leu	Phe	Lys	Val	Arg	Glu	Ser	Gly	Ser	Leu	Ser	Pro	Glu	His
Gly	Pro	Val	Val	Val	His	Cys	Ser	Ala	Gly	Ile	Gly	Arg	Ser	Gly	Thr
Phe	Cys	Leu	Ala	Asp	Thr	Cys	Leu	Leu	Leu	Met	Asp	Lys	Arg	Lys	Asp
225	Pro	Ser	Ser	Val	Asp	Ile	Lys	Lys	Val	Leu	Leu	Glu	Met	Arg	Lys
Arg	Met	Gly	Leu	Ile	Gln	Thr	Ala	Asp	Gln	Leu	Arg	Phe	Ser	Tyr	Leu
Ala	Val	Ile	Glu	Gly	Ala	Lys	Phe	Ile	Met	Gly	Asp	Ser	Ser	Val	Gln
Asp	Gln	Trp	Lys	Glu	Leu	Ser	His	Glu	Asp	Leu	Glu	Pro	Pro	Pro	Glu
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